

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/709,739  
Source: FWO  
Date Processed by STIC: 8/2/05

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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Revised 01/24/05



IFWO

## RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:17:27

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

And

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3 <110> APPLICANT: Rosetta Genomics LTD
4     Bentwich, Itzhak
5     Avniel, Amir
7 <120> TITLE OF INVENTION: Bioinformatically Detectable Group Of Novel Regulatory Viral
8     Viral Associated Oligonucleotides And Uses Thereof
10 <130> FILE REFERENCE: 06087.0302.CPUS00
12 <140> CURRENT APPLICATION NUMBER: 10/709,739
13 <141> CURRENT FILING DATE: 2004-05-26
15 <150> PRIOR APPLICATION NUMBER: 60/521,433
16 <151> PRIOR FILING DATE: 2004-04-26
18 <150> PRIOR APPLICATION NUMBER: 60/457,788
19 <151> PRIOR FILING DATE: 2003-03-27
21 <150> PRIOR APPLICATION NUMBER: 60/441,241
22 <151> PRIOR FILING DATE: 2003-01-17
24 <150> PRIOR APPLICATION NUMBER: 60/441,230
25 <151> PRIOR FILING DATE: 2003-01-17
27 <150> PRIOR APPLICATION NUMBER: 10/708,952
28 <151> PRIOR FILING DATE: 2004-04-02
30 <150> PRIOR APPLICATION NUMBER: 10/707,003
31 <151> PRIOR FILING DATE: 2003-10-30
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63 <160> NUMBER OF SEQ ID NOS: 4204915
65 <170> SOFTWARE: PatentIn version 3.3

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Does Not Comply  
Corrected Diskette Needed  
(Pg.2-18)

## RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:17:27

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

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← pls explain "N" location.  
17

← pls explain "N" location.  
22

← same error  
20

← same error  
17

← same error  
16

← same error  
21

← same error  
23

← same error  
22

## RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:27:01

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

✓ Same  
error

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15

P/s see  
error<sup>21</sup>  
explanation  
on page 19.

21

This error  
is seen<sup>21</sup>  
globally  
throughout<sup>16</sup>  
the sequence.  
20

22

## RAW SEQUENCE LISTING

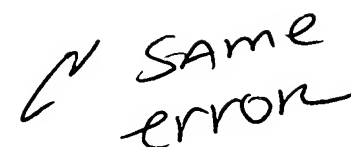
PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

TIME: 01:27:01

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw



Same error

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See error  
 20  
 explanation  
 on page 19.  
 22

## RAW SEQUENCE LISTING

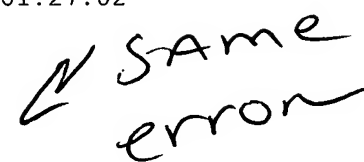
DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:27:02

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

same  
error

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## RAW SEQUENCE LISTING

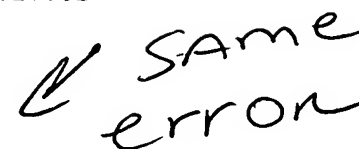
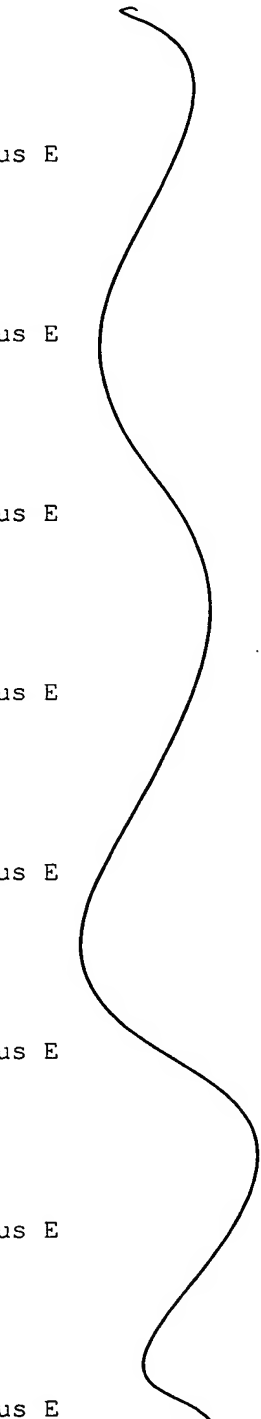
PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

TIME: 01:27:02

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

Same error

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## RAW SEQUENCE LISTING

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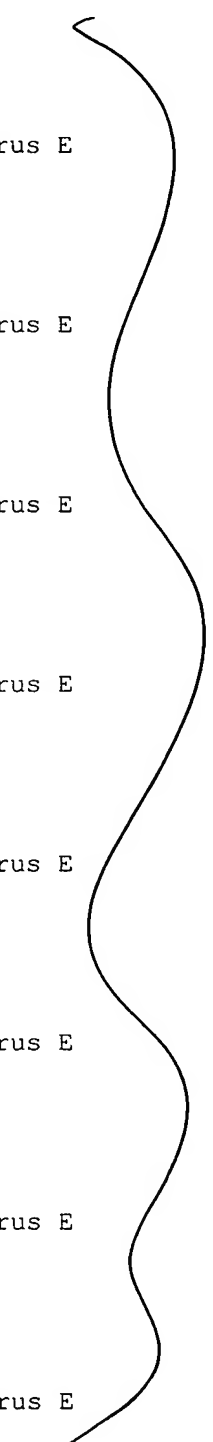
PATENT APPLICATION: US/10/709,739

TIME: 01:27:03

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Output Set: N:\CRF4\08012005\J709739.raw

✓ SAME  
error



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## RAW SEQUENCE LISTING


PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

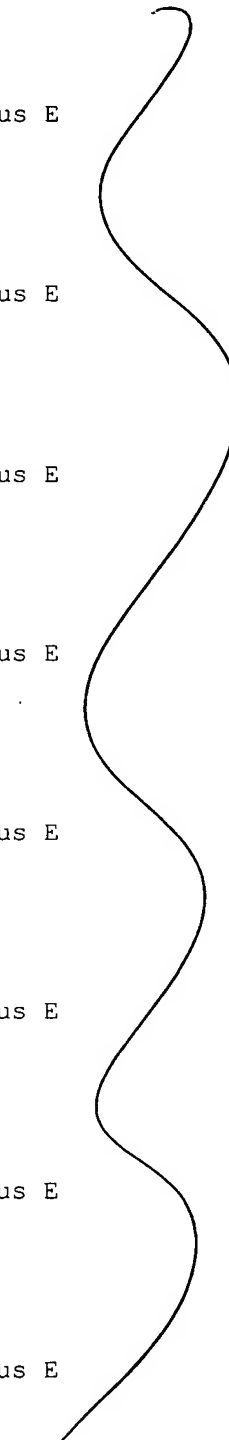
TIME: 01:27:03

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw



Same  
error



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## RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:27:03

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

same  
error

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## RAW SEQUENCE LISTING

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:27:03

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

*same error*

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## RAW SEQUENCE LISTING

DATE: 08/02/2005

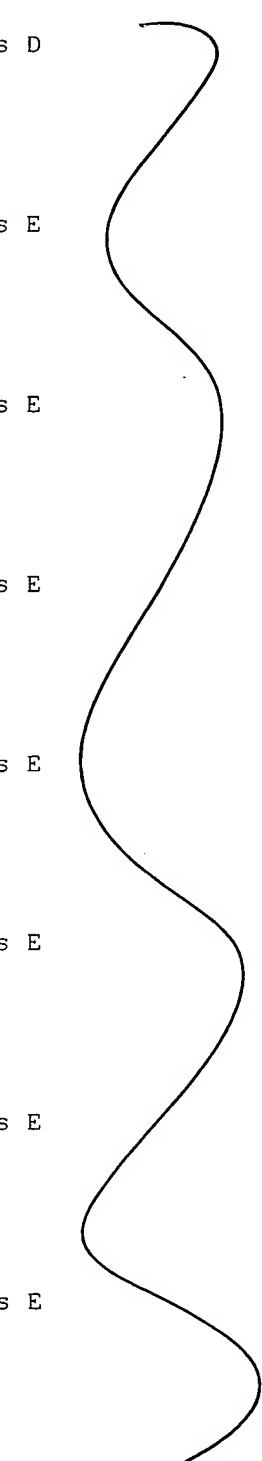
PATENT APPLICATION: US/10/709,739

TIME: 01:43:17

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

same  
error



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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

TIME: 01:43:17

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

same  
error

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## RAW SEQUENCE LISTING

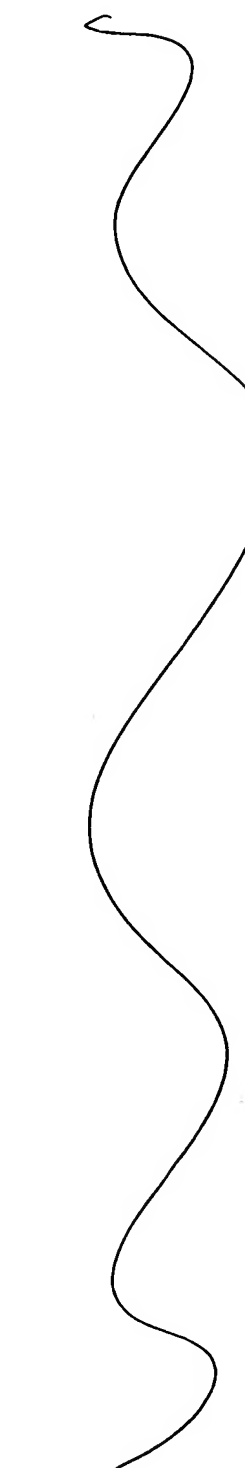
PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

TIME: 01:43:18

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

Same  
error

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

TIME: 01:43:18

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

✓ same  
error

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## RAW SEQUENCE LISTING

DATE: 08/02/2005

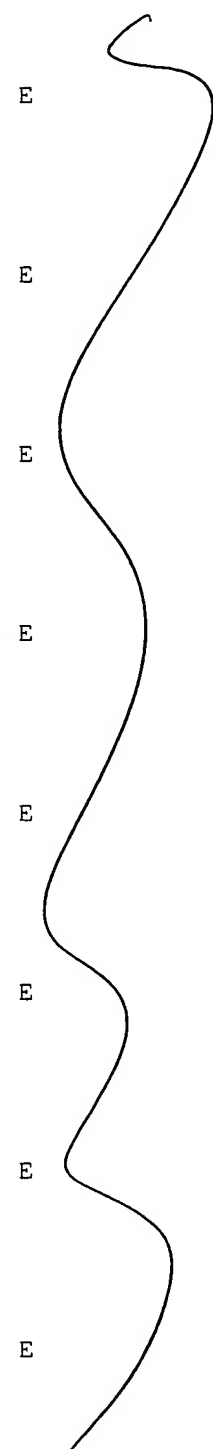
PATENT APPLICATION: US/10/709,739

TIME: 01:43:19

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

✓ Same  
error



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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,739

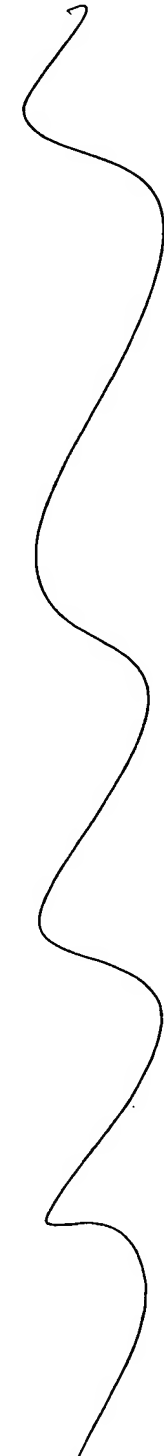
DATE: 08/02/2005

TIME: 01:43:20

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

✓ Same  
error



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## RAW SEQUENCE LISTING

DATE: 08/02/2005

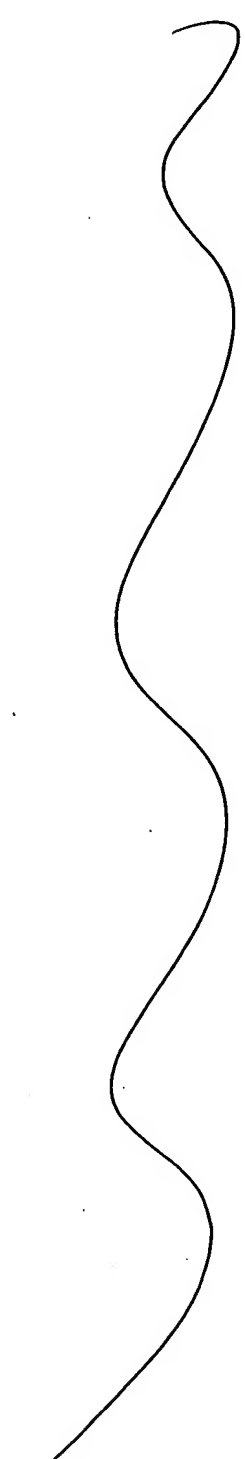
PATENT APPLICATION: US/10/709,739

TIME: 01:43:20

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Output Set: N:\CRF4\08012005\J709739.raw

✓ SAME  
error



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E-->35429014 ccaaccnuac uuuuuuccacc c                21
35431222 <210> SEQ ID NO: 3936796
35431223 <211> LENGTH: 20
35431224 <212> TYPE: RNA
35431225 <213> ORGANISM: Human adenovirus E
35431227 <400> SEQUENCE: 3936796
E-->35431228 cagcacgaan gaggccacgu                20
35431672 <210> SEQ ID NO: 3936846
35431673 <211> LENGTH: 21
35431674 <212> TYPE: RNA
35431675 <213> ORGANISM: Human adenovirus E
35431677 <400> SEQUENCE: 3936846
E-->35431678 cagcagccnu ucuccacggg g                21
35434012 <210> SEQ ID NO: 3937106
35434013 <211> LENGTH: 16
35434014 <212> TYPE: RNA
35434015 <213> ORGANISM: Human adenovirus E
35434017 <400> SEQUENCE: 3937106
E-->35434018 ucauuanucc agcaga                16
35434165 <210> SEQ ID NO: 3937123
35434166 <211> LENGTH: 20
35434167 <212> TYPE: RNA
35434168 <213> ORGANISM: Human adenovirus E
35434170 <400> SEQUENCE: 3937123
E-->35434171 uccccgnuac uaacaaccaa                20
35435191 <210> SEQ ID NO: 3937237
35435192 <211> LENGTH: 17
35435193 <212> TYPE: RNA
35435194 <213> ORGANISM: Human adenovirus E
35435196 <400> SEQUENCE: 3937237
E-->35435197 cgggcnuggg cgugcag                17
35436235 <210> SEQ ID NO: 3937353
35436236 <211> LENGTH: 20
35436237 <212> TYPE: RNA
35436238 <213> ORGANISM: Human adenovirus E
35436240 <400> SEQUENCE: 3937353
E-->35436241 guguangcca cgugaccggg                20
35436424 <210> SEQ ID NO: 3937374
35436425 <211> LENGTH: 19
35436426 <212> TYPE: RNA

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,739

DATE: 08/02/2005

TIME: 01:43:20

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

*same  
error*

35436427	<213> ORGANISM: Human adenovirus E	
35436429	<400> SEQUENCE: 3937374	
E-->35436430	uaaaucagcn uaccaccac	19
35436433	<210> SEQ ID NO: 3937375	
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35436436	<213> ORGANISM: Human adenovirus E	
35436438	<400> SEQUENCE: 3937375	
E-->35436439	uaaaucagcn uaccaccacu a	21
35439358	<210> SEQ ID NO: 3937700	
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35439360	<212> TYPE: RNA	
35439361	<213> ORGANISM: Human adenovirus E	
35439363	<400> SEQUENCE: 3937700	
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35444785	<210> SEQ ID NO: 3938303	
35444786	<211> LENGTH: 18	
35444787	<212> TYPE: RNA	
35444788	<213> ORGANISM: Human adenovirus E	
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35446009	<210> SEQ ID NO: 3938439	
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35446012	<213> ORGANISM: Human adenovirus E	
35446014	<400> SEQUENCE: 3938439	
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35447089	<210> SEQ ID NO: 3938559	
35447090	<211> LENGTH: 23	
35447091	<212> TYPE: RNA	
35447092	<213> ORGANISM: Human adenovirus E	
35447094	<400> SEQUENCE: 3938559	
E-->35447095	ugccaaccnu acuuuuucca ccc	23
35449456	<210> SEQ ID NO: 3938822	
35449457	<211> LENGTH: 20	
35449458	<212> TYPE: RNA	
35449459	<213> ORGANISM: Human adenovirus E	
35449461	<400> SEQUENCE: 3938822	
E-->35449462	cccaagcnug caccaaccu	20
35449654	<210> SEQ ID NO: 3938844	
35449655	<211> LENGTH: 22	
35449656	<212> TYPE: RNA	
35449657	<213> ORGANISM: Human adenovirus E	
35449659	<400> SEQUENCE: 3938844	
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## VARIABLE LOCATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:45:28

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

Use of n's or Xaa's (NEW RULES):*Error Explanation : 2*

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:1151984; N Pos. 3  
 Seq#:1152319; N Pos. 10  
 Seq#:1562690; N Pos. 7  
 Seq#:1568627; N Pos. 8  
 Seq#:1570464; N Pos. 7  
 Seq#:1572165; N Pos. 7  
 Seq#:1572399; N Pos. 7  
 Seq#:1572917; N Pos. 7  
 Seq#:1573164; N Pos. 6  
 Seq#:1573420; N Pos. 8  
 Seq#:1573740; N Pos. 9  
 Seq#:1573908; N Pos. 9  
 Seq#:1574016; N Pos. 10  
 Seq#:1574121; N Pos. 7  
 Seq#:1574344; N Pos. 7  
 Seq#:1574696; N Pos. 7  
 Seq#:1574729; N Pos. 6  
 Seq#:1575455; N Pos. 8  
 Seq#:1575602; N Pos. 4  
 Seq#:1575883; N Pos. 8  
 Seq#:1576154; N Pos. 6  
 Seq#:1576437; N Pos. 8  
 Seq#:1576542; N Pos. 10  
 Seq#:1576562; N Pos. 6  
 Seq#:1577142; N Pos. 6  
 Seq#:1577403; N Pos. 8  
 Seq#:1577447; N Pos. 8  
 Seq#:1577471; N Pos. 9  
 Seq#:1577537; N Pos. 8  
 Seq#:1577571; N Pos. 6  
 Seq#:1577607; N Pos. 9  
 Seq#:1577749; N Pos. 9  
 Seq#:1577766; N Pos. 9  
 Seq#:1577819; N Pos. 7  
 Seq#:1578193; N Pos. 8  
 Seq#:1578234; N Pos. 10  
 Seq#:1578285; N Pos. 6  
 Seq#:1578384; N Pos. 8  
 Seq#:1578483; N Pos. 6  
 Seq#:1578538; N Pos. 10  
 Seq#:1578697; N Pos. 11  
 Seq#:1578875; N Pos. 7  
 Seq#:1578953; N Pos. 8

## VARIABLE LOCATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:45:28

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

Seq#:1579031; N Pos. 11  
Seq#:1579037; N Pos. 8  
Seq#:1579088; N Pos. 4  
Seq#:1579093; N Pos. 9  
Seq#:1579132; N Pos. 9  
Seq#:1579265; N Pos. 10  
Seq#:1579365; N Pos. 5  
Seq#:1579413; N Pos. 7  
Seq#:1579473; N Pos. 9  
Seq#:1579560; N Pos. 7  
Seq#:1579634; N Pos. 13  
Seq#:1579690; N Pos. 12  
Seq#:1579892; N Pos. 9  
Seq#:1579915; N Pos. 7  
Seq#:1579980; N Pos. 6  
Seq#:1580106; N Pos. 7  
Seq#:1580193; N Pos. 9  
Seq#:1580264; N Pos. 13  
Seq#:1580302; N Pos. 8  
Seq#:1580411; N Pos. 8  
Seq#:1580616; N Pos. 14  
Seq#:1580633; N Pos. 9  
Seq#:1580788; N Pos. 8  
Seq#:1580841; N Pos. 6  
Seq#:1580870; N Pos. 9  
Seq#:1581040; N Pos. 5  
Seq#:3362427; N Pos. 3  
Seq#:3362464; N Pos. 10  
Seq#:3919408; N Pos. 8  
Seq#:3926143; N Pos. 7  
Seq#:3929671; N Pos. 7  
Seq#:3930198; N Pos. 5  
Seq#:3930299; N Pos. 4  
Seq#:3930322; N Pos. 6  
Seq#:3930396; N Pos. 11  
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Seq#:3930505; N Pos. 8  
Seq#:3930589; N Pos. 7  
Seq#:3930820; N Pos. 8  
Seq#:3930909; N Pos. 5  
Seq#:3931080; N Pos. 14  
Seq#:3931279; N Pos. 13  
Seq#:3931464; N Pos. 9  
Seq#:3931618; N Pos. 6  
Seq#:3931697; N Pos. 9  
Seq#:3931887; N Pos. 6  
Seq#:3932202; N Pos. 8  
Seq#:3932319; N Pos. 8  
Seq#:3932343; N Pos. 10

## VARIABLE LOCATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:45:28

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

Seq#:3932350; N Pos. 7  
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Seq#:3932954; N Pos. 7  
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Seq#:3933442; N Pos. 6  
Seq#:3933658; N Pos. 8  
Seq#:3933834; N Pos. 8  
Seq#:3934095; N Pos. 9  
Seq#:3934166; N Pos. 11  
Seq#:3934260; N Pos. 7  
Seq#:3934376; N Pos. 9  
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Seq#:3934705; N Pos. 6  
Seq#:3934767; N Pos. 8  
Seq#:3934772; N Pos. 9  
Seq#:3934891; N Pos. 8  
Seq#:3935307; N Pos. 6  
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Seq#:3935360; N Pos. 6  
Seq#:3935565; N Pos. 8  
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Seq#:3935825; N Pos. 12  
Seq#:3935843; N Pos. 4  
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Seq#:3936019; N Pos. 9  
Seq#:3936020; N Pos. 9  
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Seq#:3936423; N Pos. 7  
Seq#:3936426; N Pos. 9  
Seq#:3936540; N Pos. 13  
Seq#:3936550; N Pos. 7  
Seq#:3936796; N Pos. 10  
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Seq#:3937106; N Pos. 7  
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Seq#:3937700; N Pos. 9  
Seq#:3938303; N Pos. 8  
Seq#:3938439; N Pos. 7  
Seq#:3938559; N Pos. 9  
Seq#:3938822; N Pos. 8  
Seq#:3938844; N Pos. 7

## VERIFICATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:45:28

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

L:10367920 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1151984 ✓  
L:10370935 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1152319  
L:14064274 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1562690  
L:14117707 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1568627  
L:14134240 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1570464  
L:14149549 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1572165  
L:14151655 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1572399  
L:14156317 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1572917  
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L:14172625 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1574729  
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L:14197303 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1577471  
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L:14200435 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1577819  
L:14203801 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1578193  
L:14204170 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1578234  
L:14204629 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1578285  
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L:14211397 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579037  
L:14211856 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579088  
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L:14212252 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579132 ✓

## VERIFICATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:45:28

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

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L:14216770 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579634  
L:14217274 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579690  
L:14219092 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579892  
L:14219299 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579915  
L:14219884 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1579980  
L:14221018 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580106  
L:14221801 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580193  
L:14222440 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580264  
L:14222782 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580302  
L:14223763 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580411  
L:14225608 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580616  
L:14225761 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580633  
L:14227156 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580788  
L:14227633 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580841  
L:14227894 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1580870  
L:14229424 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1581040  
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L:35274736 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3919408  
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L:35371846 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3930198  
L:35372755 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3930299  
L:35372962 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3930322  
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L:35373970 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3930434  
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L:35378245 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3930909  
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L:35381575 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3931279  
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L:35385337 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3931697  
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L:35396308 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3932916  
L:35396650 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3932954  
L:35400889 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3933425



## VERIFICATION SUMMARY

DATE: 08/02/2005

PATENT APPLICATION: US/10/709,739

TIME: 01:45:28

Input Set : N:\Mark S\SEQ\_LIST.txt

Output Set: N:\CRF4\08012005\J709739.raw

L:35401042 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3933442  
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L:35404570 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3933834  
L:35406919 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934095  
L:35407558 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934166  
L:35408404 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934260  
L:35409448 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934376  
L:35412067 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934667  
L:35412409 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934705  
L:35412967 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934767  
L:35413012 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934772  
L:35414083 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3934891  
L:35417827 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935307  
L:35418016 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935328  
L:35418304 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935360  
L:35420149 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935565  
L:35420680 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935624  
L:35422489 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935825  
L:35422651 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935843  
L:35423128 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3935896  
L:35424235 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936019  
L:35424244 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936020  
L:35427844 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936420  
L:35427871 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936423  
L:35427898 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936426  
L:35428924 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936540  
L:35429014 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936550  
L:35431228 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936796  
L:35431678 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3936846  
L:35434018 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937106  
L:35434171 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937123  
L:35435197 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937237  
L:35436241 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937353  
L:35436430 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937374  
L:35436439 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937375  
L:35439364 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3937700  
L:35444791 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3938303  
L:35446015 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3938439  
L:35447095 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3938559  
L:35449462 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3938822  
L:35449660 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3938844